

- 1 - Well ties and Latitude and Longitude were measured by DGPS (Sub-meter Mapping Grade). Bearings are referenced to UTM Grid North (Zone 17 North - NAD 1983).
- 2 - Surface owners and adjacent information obtained from the Lincoln County Assessor's tax records.
- 3 - No Title Opinion was provided to the Surveyor during this survey. This survey is subject to a complete Title Opinion.

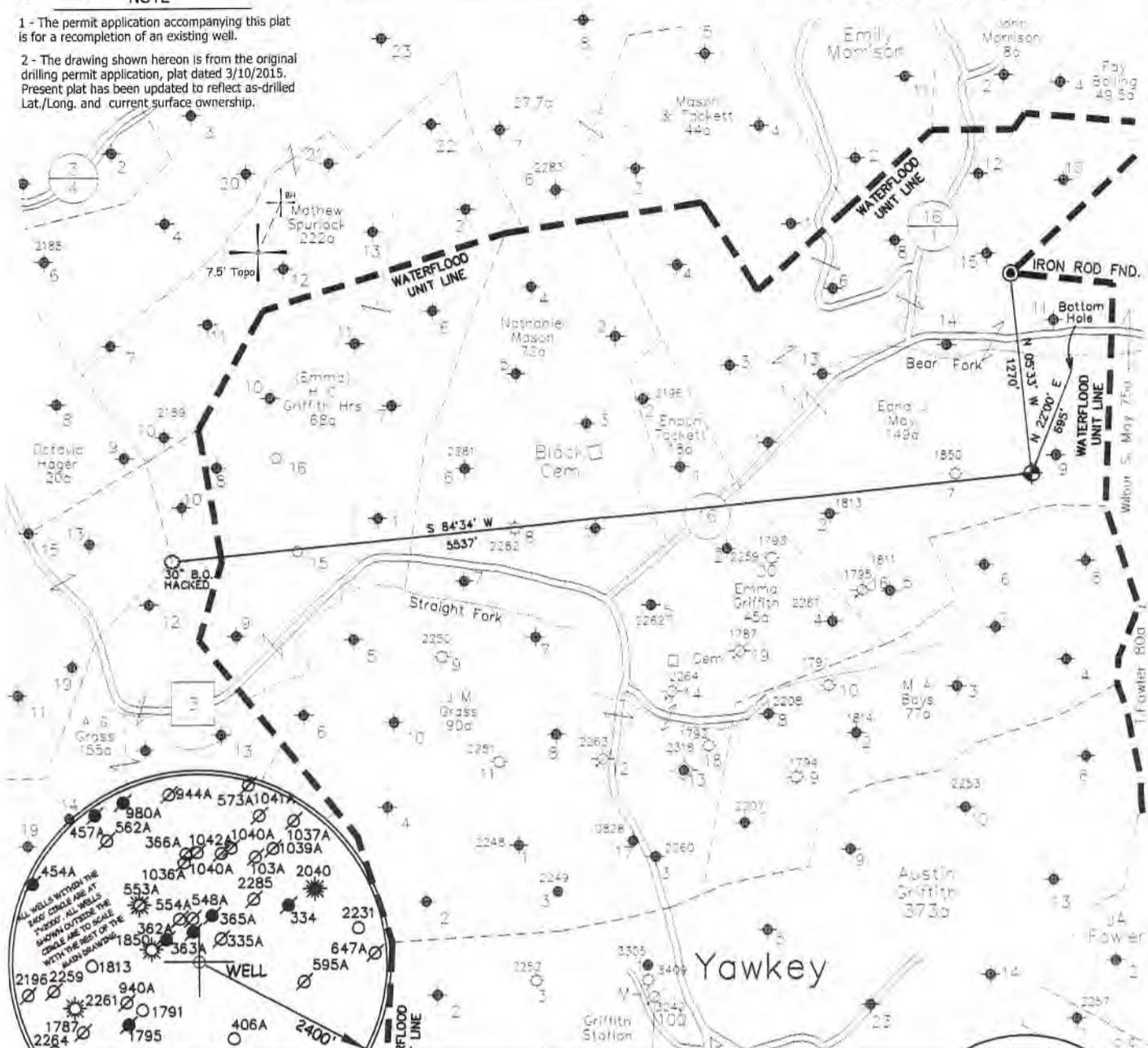
NOTE

- 1 - The permit application accompanying this plat is for a recompletion of an existing well.
- 2 - The drawing shown hereon is from the original drilling permit application, plat dated 3/10/2015. Present plat has been updated to reflect as-drilled Lat./Long. and current surface ownership.

Well Coordinates - As Drilled	
UTM (NAD83) - Meters	
Surface	Bottom Hole
N - 4,232,298	N - 4,232,491
E - 416,148	E - 416,240

LOCATION REFERENCES	
MAGNETIC BEARING	
Existing Well	
3	5

**MAP OF
H.G. ENERGY, LLC
-WATERFLOOD UNIT-
EDNA MAY 154**



LONGITUDE 81° 55' 00"

As Drilled Bottom Hole Lat. = 38° 14' 11.1"

5,580'

As Drilled Latitude = 38° 14' 04.84"

FILE NO. _____
 SCALE 1" = 1000'
 MINIMUM DEGREE OF ACCURACY Sub-Meter
 PROVEN SOURCE OF ELEVATION DGPS Survey (Sub-Meter Mapping Grade)

I, THE UNDERSIGNED, HEREBY CERTIFY THAT THIS PLAT IS CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF AND SHOWS ALL THE INFORMATION REQUIRED BY LAW AND THE REGULATIONS ISSUED AND PRESCRIBED BY THE DEPARTMENT OF ENVIRONMENTAL PROTECTION.

(SIGNED) *[Signature]*
 TIMOTHY P. ROUSH PS 793



WEST VIRGINIA
 Division of Environmental Protection
 Office of Oil and Gas
 601 57th Street
 Charleston, West Virginia 25301



DATE October 9, 2020
 FARM E.J. May No.154
 API WELL NO. 47 - 043 - 03482 W

WELL TYPE: OIL ___ GAS ___ LIQUID INJECTION WASTE DISPOSAL ___
 (IF "GAS") PRODUCTION ___ STORAGE ___ DEEP ___ SHALLOW ___
 LOCATION: ELEVATION 804' WATERSHED Bear Fork
 DISTRICT Duval COUNTY Lincoln
 QUADRANGLE Griffithsville 7.5'
 SURFACE OWNER Dwight David Lovejoy ACREAGE 20 Ac.
 OIL & GAS ROYALTY OWNER HG Energy, LLC et al. LEASE ACREAGE 149 Ac.
 LEASE NO. 80221-50
 PROPOSED WORK: DRILL ___ CONVERT ___ DRILL DEEPER ___ REDRILL ___ FRACTURE OR STIMULATE PLUG OFF OLD FORMATION ___ PERFORATE NEW FORMATION ___ OTHER PHYSICAL CHANGE IN WELL (SPECIFY) ___
 PLUG AND ABANDON ___ CLEAN OUT AND REPLUG ___
 TARGET FORMATION Berea ESTIMATED DEPTH TMD - 2,811'
 WELL OPERATOR HG Energy LLC. DESIGNATED AGENT Diane White
 ADDRESS 5260 DuPont Road ADDRESS 5260 DuPont Road
 Parkersburg, WV 26101 Parkersburg, WV 26101

RECEIVED
 Office of Oil and Gas
 DEC - 3 2020
 WV Department of Environmental Protection

- 1 - Well ties and Latitude and Longitude were measured by DGPS (Sub-meter Mapping Grade). Bearings are referenced to UTM Grid North (Zone 17 North - NAD 1927).
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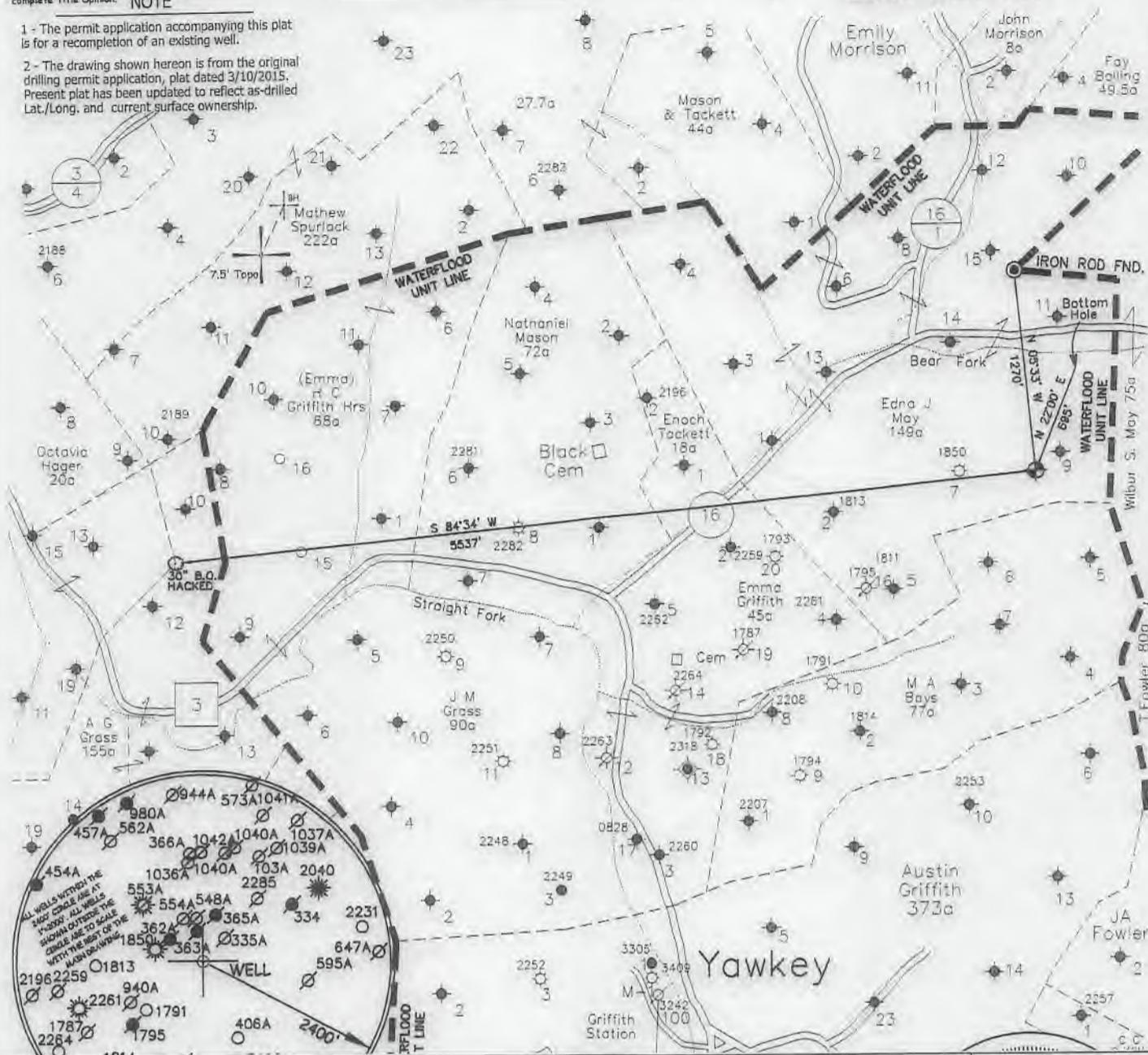
Well Coordinates - As Drilled		UTM (NAD83) - Meters	
Surface	Bottom Hole	Surface	Bottom Hole
N - 4,232,298	N - 4,232,491	N - 4,232,298	N - 4,232,491
E - 416,148	E - 416,240	E - 416,148	E - 416,240

LOCATION REFERENCES

MAGNETIC BEARING

Existing Well

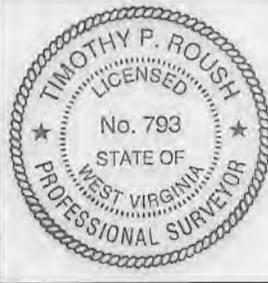
MAP OF H.G. ENERGY, LLC - WATERFLOOD UNIT - EDNA MAY 154



FILE NO. _____
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 (IF "GAS") PRODUCTION ___ STORAGE ___ DEEP ___ SHALLOW ___

LOCATION: ELEVATION 804' WATERSHED Bear Fork
 DISTRICT Duval COUNTY Lincoln
 QUADRANGLE Griffithsville 7.5'

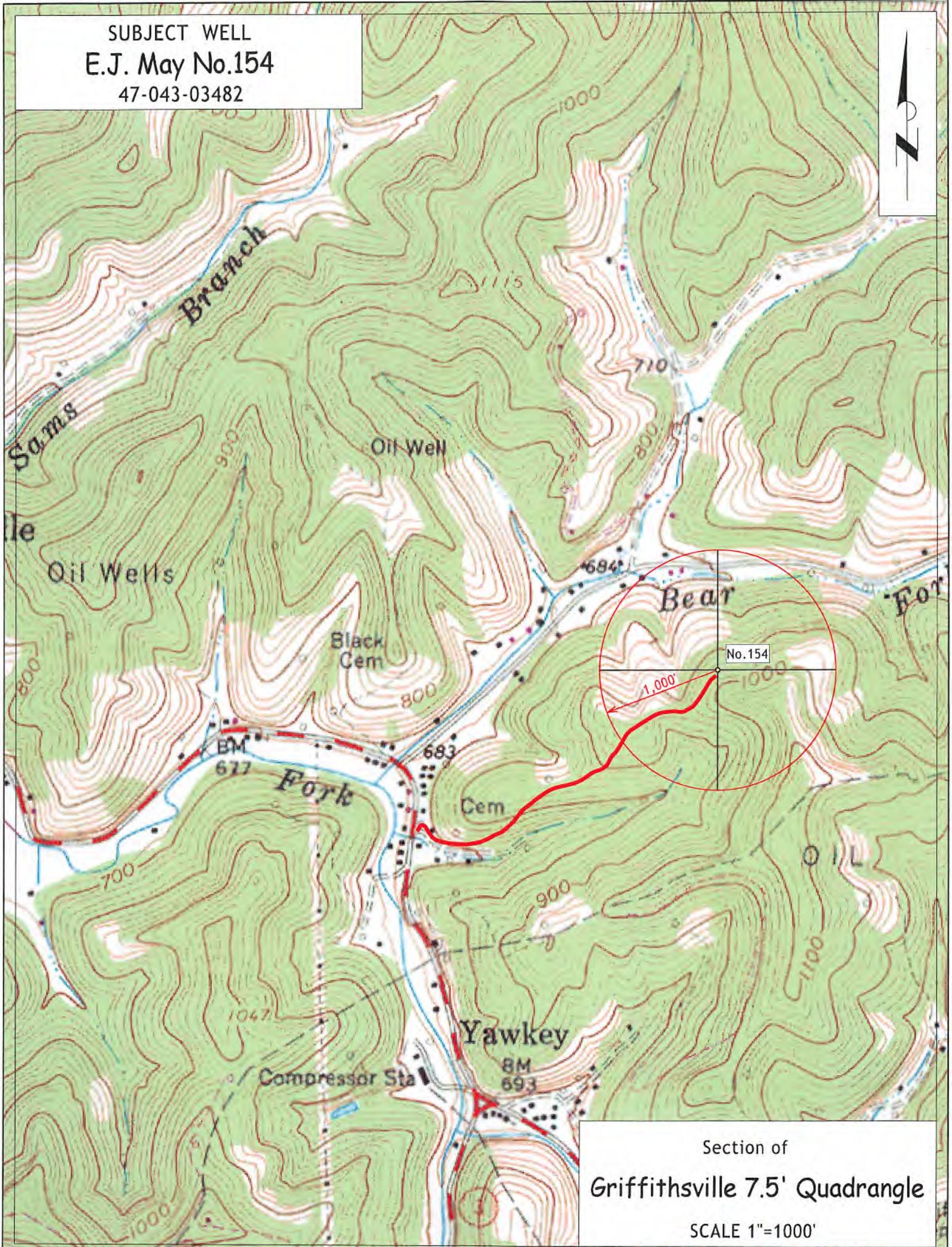
SURFACE OWNER Dwight David Lovejoy ACREAGE 20 Ac.
 OIL & GAS ROYALTY OWNER HG Energy, LLC et al. LEASE ACREAGE 149 Ac.
 LEASE NO. 80221-50

PROPOSED WORK: DRILL ___ CONVERT ___ DRILL DEEPER ___ REDRILL ___ FRACTURE OR STIMULATE PLUG OFF OLD FORMATION ___ PERFORATE NEW FORMATION ___ OTHER PHYSICAL CHANGE IN WELL (SPECIFY) _____

PLUG AND ABANDON ___ CLEAN OUT AND REPLUG ___
 TARGET FORMATION Berea ESTIMATED DEPTH TMD - 2,811'

WELL OPERATOR HG Energy LLC. DESIGNATED AGENT Diane White
 ADDRESS 5260 DuPont Road ADDRESS 5260 DuPont Road
 Parkersburg, WV 26101 Parkersburg, WV 26101

SUBJECT WELL
E.J. May No.154
47-043-03482



Section of
Griffithsville 7.5' Quadrangle
SCALE 1"=1000'

Reclamation Plan For:

E.J. May No. 154
47-043-03482

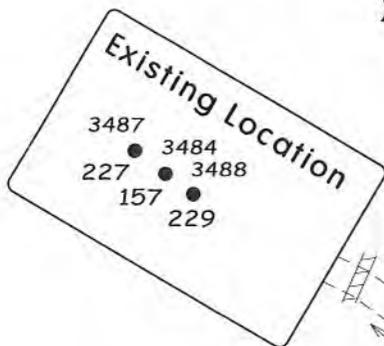
Jonathon Johnson
- Surface of Record
Dwight Lovejoy - Claim

E.J. May Lease



E.J. May Lease

Randall &
Patricia Coy
- Surface



Access to follow
existing lease road

E.J. May Lease

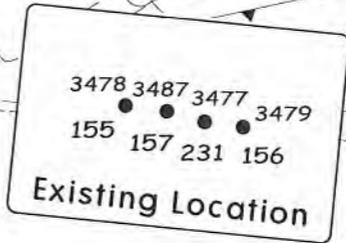
Dwight Lovejoy
- Surface

200' of 5-8% Grade

200' of 5-8% Grade

150' of 5-8% Grade

400' of 0-5% Grade



Gate

0.4 Mi. to WV SR 3.
See Page 2 for
Waterflood Road Detail

M.A. Bays Lease

HG Energy
- Surface

Existing Road
To MA Bays
No. 125

Notes:

- REQUESTED PERMIT IS FOR RECOMPLETION OF AN EXISTING WELL.
- ACCESS ROADS ARE EXISTING AND WILL BE MAINTAINED TO WVDEP STANDARDS.
- NO EARTHWORK IS ANTICIPATED FOR REQUESTED WELL WORK
- NO PIT WILL BE REQUIRED FOR REQUESTED WELL WORK.
- ANY DISTURBED AREAS WILL BE RE-VEGETATED AS OUTLINED ON FORM WW-9.
- MAINTAIN SEDIMENT BARRIERS AND DRAINAGE STRUCTURES.
- DRAWING NOT TO SCALE.

NOTE
REFER TO THE WVDEP
EROSION AND SEDIMENT CONTROL
FIELD MANUAL VER. MAY 2012 FOR
BMPs CONTROLLING EROSION AND
SEDIMENT FROM SOIL-DISTURBING
OPERATIONS.